ABSTRACT OF THE DISCLOSURE

Conventionally, a voltage detection circuit that is so configured as to make the temperature coefficient of a predetermined level used as the reference level for voltage detection equal to zero is not composed of the minimum needed circuit elements. The voltage detection circuit of the invention is composed of the minimum needed number of circuit elements and that permits the temperature characteristic of the reference level for voltage detection to be set arbitrarily. The voltage detection circuit has a first transistor and a second transistor that have the emitters thereof connected together to form a differential pair, a voltage division circuit that divides the input voltage into a first division voltage and a second division voltage, that is connected directly to the base of the first transistor to apply the first division voltage thereto, and that is connected directly to the base of the second transistor to apply the second division voltage thereto, and a resistor that has one end thereof connected to the base of the second transistor and that has the other end thereof connected to the emitter of the second transistor. Whether the input voltage is equal to a predetermined level or not is checked based on the output from the differential pair.